

## ecology and environment, inc.

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International Specialists in the Environmental Sciences

DATE:

April 28, 1981

TO:

Phyllis Reed and File

FROM:

Randy Livingston

SUBJECT:

Ohio / TDD# F5-8009-2A, Eckhardt

St. Bernard, Ohio / Roth Ready Mix Concrete

(AKA Cinn-Made Corporation)

Due to the unknown nature of the waste types in the pond located at Roth Ready Mix (Cinn-Made), FIT recommended that samples be taken.

On October 30, 1980, Anne Sause, Renee Hix, John Angelo, Robert Makela and I performed a field investigation. At the same time environmental samples were taken at Roth Ready Mix (Cinn-Made). Sample numbers ME8051, ME8052 and ME8053 were taken by Robert Makela and Renee Hix at the southeast end of the pond about three to four feet from the edge of the pond.

Sample number ME8051 is the sample, with ME8052 representing the duplicate. Sample number ME8053 is the blank which accompanied ME8051 and ME8052 to Versar, Inc. for analysis. Versar, Inc. lab I.D. number for sample ME8051 is 7385, for ME8052 it is 7386, and for ME8053 it is 7387.

The organic sample analysis has not been returned as of yet, but this matter is being looked into by Cynthia Bachunas. The results will be forwarded as soon as we receive them.

Attached are copies of the inorganics analysis data sheets of samples taken and site sketch map.

RL/df

Attachments



EE1380 TODF5-8009-2A JUS. ENVIRONMENTAL PROTEC ON AGENCY - HWI Sample Mane ment Office P.O. Box 313 - Alexandria, Virginia 22313 - 703/557-2490/FTS-8-557-2490

### INORGANICS ANALYSIS DATA SHEET

	585-69	INORGANICS ANA			formois81
LA	BORATORY NAMI	E Versar Inc.	SA <i>l</i>	MPLE NO. M	•
LA	B SAMPLE ID NO.	1385		REPORT NO.	
		TASK 1 (Elements to b	e identi	fied and measur	red)
	•	ug/l		•	ug/l
1.	Aluminum	2b1.	10.	Nickel	<i>∠20.</i>
2.	Chromium	<i>Z</i> 10.	11.	Manganese	10.
3.	Barium	20.	12.	Zinc	32.
4.	Beryllium	<i>∠</i> 2.	13.	Boron	248.
5.	Cadmium	<b>45</b> .	14.	Vanadium	<10.
6.	Cobalt	Z10.	15.	Calcium	33, 200.
7.	Copper	<i>420.</i>	16.	Magnesium	884.
8.	Iron	290.	17.	Sodium	38,400.
9.	Lead	<b>40</b> .			RECEIVED
<del></del>		TASK 2 (Elements to ug/l	be iden	tified and meas	DIFFICE OF DIRECTOR
1.	Arsenic	410.	5.	Mercury	REGION W ug/1
2.	Antimony	<20.	6.	Tin	135.ª
3.	Selenium	<b>410.</b>	7.	Silver	<20.
4.	Thallium	410.			
	;				
y 1		TASK 3 (Elements to	be iden	tified and meas	ured)
					•
1.	Ammonia	mg/l	4.	Cyanide	mg/l
.2.	Fluoride	mg/ <u>l</u>	- 5.	рН	Units
3.	Sulfide	mg/l	6.	TOC	mg/l
C	OMMENTS: a)	with a detection limit	of IOO	<del></del>	

- a) with a detection limit of 100.
- b) with a detection limit of
- c) with a detection limit of
- d) analyzed on a sample aliquot preserved with HCl

P.C. Box 818 - Aiexandria, Virginia 22313 - 703/557-2490/FTS-8-557-2490

{ 	585-69			som	M01 D08	· 	
LABORATORY NAME Versar Inc.  LAB SAMPLE ID NO. 7386			SAMPLE NO. ME 80 52				
			QC REPORT NO.				
	•	TASK 1 (Elements to	be identi	ified and measured)			
		ug/I				/1	
1. <u>Al</u>	luminum	<u>306.</u>	10.	Nickel	<20.	ug/l	
2. <u>Ch</u>	hromium	∠10.	11.	Manganese			
3. <u>Ba</u>	arium	22.	12.	Zinc	<10.		
4. <u>Be</u>	eryllium	<b>&lt;2.</b>	13.	Boron	313.		
5. <u>C</u> a	admium	<u> </u>	14.	Vanadium	<10.		
6. <u>Co</u>	obalt	<10.	15.	Calcium	36,500.		
7. Co	opper	<u> </u>	16.	Magnesium	897.		
· · <u></u> -				_ ··	20 -00		
	on	327.	17.	Sodium	<u> </u>		
8. <u>Iro</u>	ead	<b>&lt;40.</b>			<u>38,500.</u>		
8. <u>Iro</u> 9. <u>Le</u>	ead	<40.  TASK 2 (Elements to ug/l)	o be iden	tified and measured	<b>d)</b>	ug/l	
8. <u>Iro</u> 9. <u>Le</u>	rsenic	<40.  TASK 2 (Elements to ug/l)  <10	o be iden 5.	tified and measured	<u>-</u>	ug/l	
8. <u>Iro</u> 9. <u>Le</u> 1. <u>Ar</u> 2. <u>Ar</u>	rsenic ntimony	<40. TASK 2 (Elements to ug/l <10. <20.	o be iden 5. 6.	tified and measured  Mercury  Tin	1) <b>&lt;1.</b> <b>∠20.</b>	ug/l	
8. <u>Iro</u> 9. <u>Le</u> 1. <u>Ar</u> 2. <u>Ar</u> 3. <u>Se</u>	rsenic ntimony		o be iden 5.	tified and measured	<u>-</u>	ug/l	
8. <u>Iro</u> 9. <u>Le</u> 1. <u>Ar</u> 2. <u>Ar</u> 3. <u>Se</u>	rsenic ntimony	<40. TASK 2 (Elements to ug/l <10. <20.	o be iden 5. 6.	tified and measured  Mercury  Tin	1) <b>&lt;1.</b> <b>∠20.</b>	ug/l	
8. <u>Iro</u> 9. <u>Le</u> 1. <u>Ar</u> 2. <u>Ar</u> 3. <u>Se</u>	rsenic ntimony	<40. TASK 2 (Elements to the second secon	o be iden 5. 6. 7.	Mercury Tin Silver	∠1. ∠20. ∠20.	ug/l	
8. <u>Iro</u> 9. <u>Le</u> 1. <u>Ar</u> 2. <u>Ar</u> 3. <u>Se</u>	rsenic ntimony		o be iden 5. 6. 7.	Mercury Tin Silver	∠1. ∠20. ∠20.	ug/l	
8. Iro 9. Le 1. Ar 2. Ar 3. Se 4. Th	rsenic ntimony	<40. TASK 2 (Elements to the second secon	o be iden 5. 6. 7.	Mercury Tin Silver	∠1. ∠20. ∠20.	ug/l	
8. Iro 9. Le 1. Ar 2. Ar 3. Se 4. Th	rsenic ntimony elenium hallium	<40. TASK 2 (Elements to ug/l <10.  <10.   TASK 3 (Elements to the second seco	o be iden  5. 6. 7.	Mercury Tin Silver	∠1. ∠20. ∠20.		

- with a detection limit of

- b) with a detection limit of
  c) with a detection limit of
  d) analyzed on a sample aliquot preserved with HCl

# U.S. ENVIRONMENTAL PROTEC ON AGENCY - HWI Sample Man. \_ment Office P.O. Box 818 - Alexandria, Virginia 22313 - 703/557-2490/FTS-8-557-2490

		inorganics and	ALYSIS	DATA SHEET				
-	585-69		80 M M O 1 R O 8 SAMPLE NO. ME 8053					
LA	BORATORY NAM	E Versar Inc.						
LA	LAB SAMPLE ID NO. 7387			QC REPORT NO.				
		TASK 1 (Elements to b	— e identi	fied and measured)				
	-	ug/l		· · · · · · · · · · · · · · · · ·		ug/l		
1.	Aluminum	<50. <50.	10.	Nickel	<20.	<u> </u>		
2.	Chromium	<10.	11.	Manganese	<10.			
3.	Barium	< 10.	12.	Zinc	21.			
4.	Beryllium	∠ 2.	13.	Boron	<10.			
5.	Cadmium	<u>&lt; 5.</u>	14.	Vanadium	Z10.			
6.	Cobalt	<u>&lt;10.</u>	15.	Calcium	<i>153</i> .			
7.	Copper	<20.	16.	Magnesium	< 100.			
8.	Iron	420.	17.	Sodium	Z100.			
		TASK 2 (Elements to	be iden	tified and measured)				
		ug/l	·		·	ug/l		
1.	Arsenic	<10.	5.	Mercury	<b>&lt;</b> 1.	<b>GB</b> /1		
2.	Antimony	<20.	6.	Tin	<20.	<del></del>		
3.	Selenium	<10.	7.	Silver	<20.	<del></del>		
4.	Thallium	<10.			<del> </del>			
	•	TASK 3 (Elements to	be iden	tified and measured	)			
1.	Ammonia	mg/l	4.	Cyanide		mg/l		
·2.	Fluoride	mg/l	5.	рH		Units		
3.	Sulfide	mg/l	6.	TOC		mg/l		
	DMMENTS: a)	with a detection limit		· · · · · · · · · · · · · · · · · · ·	<del></del>	<del></del>		

- a) with a detection limit of
- b) with a detection limit of
- c) with a detection limit of
- d) analyzed on a sample aliquot preserved with HCl

